

NOVEMBER/DECEMBER 2025

**FEBC54/CREBC54/CSBC55 — MEDICAL
LAB TECHNOLOGY**

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Define first aid.
2. Explain the term “good laboratory practice”.
3. What is meant by fecal fat?
4. Explain the significance of sugar in urine.
5. List the various anticoagulants.
6. Show the normal range for bleeding time.
7. What are the types of blood groups?
8. List the various biological specimen.
9. What is meant by culture media? Explain its importance.
10. Explain the need for the culture of microbes.



SECTION B — (5 × 5 = 25 marks)

Answer ALL the questions.

11. (a) Identify the safety measures to be followed in laboratory.

Or

- (b) Organize the importance of storage and labelling of Reagents.

12. (a) Identify the test for occult blood.

Or

- (b) Construct a note composition of urine.

13. (a) Examine the methodology involved in performing ESR.

Or

- (b) Analyze the principle involved in estimating hemoglobin.

14. (a) Analyze the composition of CSF and amniotic fluid.

Or

- (b) Examine the complications of blood transfusion.

15. (a) Organize the steps involved in gram staining.

Or

- (b) Identify the composition of sputum and semen



SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the precautions and first aid treatment to be given during lab accidents and add a note on first aid Equipment.
17. Assess the significance of ketone bodies, protein, blood and uric acid in urine.
18. Explain the procedure involved in estimating RBC.
19. Elaborate on ABO BLOOD grouping.
20. Discuss on the antibiotic sensitivity test.
-